GenCore version 5.1.6				
Copyright (c) 1993 - 2004 Compugen Ltd.				
OM nucleic - nucleic search, using sw model				
Run on: January 7, 2004, 00:38:53 ; Search time 5261.59 Seconds				
(without alignments)				
10535.312 Million cell updates/sec				
Title: US-09-904-568-3				
Perfect score: 1355				
Sequence: 1 gggcaggcagttgaggtgga..........gtgtttcaggcagggcccgg 1355				
Scoring table: IDENTITY_NUC				
Gapop 10.0 , Gapext 1.0				
Searched: 2888711 seqs, 20454813386 residues				
Total number of hits satisfying chosen parameters: 1257286				
Minimum DB seq length: 12				
Maximum DB seq length: 50				
Post-processing: Minimum Match 0%				
Maximum Match 100%				
Listing first 65000 summaries				
Database : GenEmbl:*				
1: gb_ba:*				
2: gb_htg:*				
3: gb_in:*				
4: gb_om:*				
5: gb_ov:*				
6: gb_pat:*				
7: gb_ph:*				
8: gb_pl:*				
9: gb_pr:*				
10: gb_ro:*				
11: gb_sts:*				
12: gb_sy:*				
13: gb_un:*				
14: gb_vi:*				
15: em_ba:*				
16: em_fun:*				
17: em_hum:*				
18: em_in:*				
19: em_mu:*				
20: em_om:*				
21: em_or:*				
22: em_ov:*				
23: em_pat:*				
24: em_ph:*				
25: em_pl:*				
26: em_ro:*				
27: em_sts:*				
28: em_un:*				
29: em_vi:*				
30: em_htg_hum:*				
31: em_htg_inv:*				

		32:	em_htg_other:*				
		33:	em_htg_mus:*				
		34:	em_htg_pln:*				
		35:	em_htg_rod:*				
		36:	em_htg_mam:*				
		37:	em_htg_vrt:*				
		38:	em_sy:*				
		39:	em_htgo_hum:*				
		40:	em_htgo_mus:*				
		41:	em_htgo_other:*				

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	S/L
3	22	1.6	22	6	AR224958	1
4	22	1.6	22	6	AX039675	1
c 20	20	1.5	20	6	AX039830	1
4511	15	1.1	15	6	AR180659	1
c1663	16	1.2	17	6	AX272819	0.941176
c1664	16	1.2	17	6	AX272820	0.941176
1068	16.4	1.2	18	6	AR162099	0.911111
1069	16.4	1.2	18	6	AR166624	0.911111
1070	16.4	1.2	18	6	AR279832	0.911111
1071	16.4	1.2	18	6	AX039833	0.911111
c2988	15.4	1.1	17	6	AX726065	0.905882
21652	13.4	1	15	6	A02494	0.893333
c21653	13.4	1	15	6	A10674	0.893333
21654	13.4	1	15	6	AX139176	0.893333
21655	13.4	1	15	6	BD013460	0.893333
c54775	12.4	0.9	14	6	A88281	0.885714
c54776	12.4	0.9	14	6	A90248	0.885714
54777	12.4	0.9	14	6	AR174022	0.885714
54778	12.4	0.9	14	6	AX016298	0.885714
54779	12.4	0.9	14	6	AX642208	0.885714
54780	12.4	0.9	14	6	AX659630	0.885714
c54781	12.4	0.9	14	6	BD065794	0.885714
54782	12.4	0.9	14	6	BD069002	0.885714
54783	12.4	0.9	14	6	BD073884	0.885714
54784	12.4	0.9	14	6	BD084126	0.885714
c54785	12.4	0.9	14	6	BD176797	0.885714
54786	12.4	0.9	14	6	BD176803	0.885714
c4512	15	1.1	17	6	AX272818	0.882353
c4513	15	1.1	17	6	AX272821	0.882353
c4514	15	1.1	17	6	AX398234	0.882353
4515	15	1.1	17	6	AX687586	0.882353
4516	15	1.1	17	6	AX687587	0.882353
4517	15	1.1	17	6	AX687588	0.882353
4518	15	1.1	17	6	AX690594	0.882353
4519	15	1.1	17	6	AX690595	0.882353
4520	15	1.1	17	6	AX690596	0.882353
31892	13	1	15	6	AX636077	0.866667
31893	13	1	15	6	I61757	0.866667
2989	15.4	1.1	18	6	AX316182	0.855556

c 230	17.8	1.3	21	6	AR282662	0.847619
c8075	14.4	1.1	17	6	AR305555	0.847059
c8076	14.4	1.1	17	6	AX725121	0.847059
8077	14.4	1.1	17	6	AX735260	0.847059
c4521	15	1.1	18	6	AX100701	0.833333
c54787	12.4	0.9	15	6	A88282	0.826667
c54788	12.4	0.9	15	6	A90249	0.826667
c54789	12.4	0.9	15	6	AR084518	0.826667
54790	12.4	0.9	15	6	AR231294	0.826667
c54791	12.4	0.9	15	6	AX635278	0.826667
c54792	12.4	0.9	15	6	AX721645	0.826667
c54793	12.4	0.9	15	6	AX742553	0.826667
c54794	12.4	0.9	15	6	BD005891	0.826667
c54795	12.4	0.9	15	6	BD065795	0.826667
54796	12.4	0.9	15	6	BD133913	0.826667
c54797	12.4	0.9	15	6	BD133913	0.826667
c54798	12.4	0.9	15	6	I38985	0.826667
c11959	14	1	17	6	AX272817	0.823529
c11960	14	1	17	6	AX672484	0.823529
11961	14	1	17	6	AX687585	0.823529
11962	14	1	17	6	AX687589	0.823529
11963	14	1	17	6	AX688105	0.823529
11964	14	1	17	6	AX688106	0.823529
11965	14	1	17	6	AX688107	0.823529
11966	14	1	17	6	AX688108	0.823529
11967	14	1	17	6	AX690593	0.823529
11968	14	1	17	6	AX690597	0.823529
c5469	14.8	1.1	18	6	AR134114	0.822222
c5470	14.8	1.1	18	6	AX718775	0.822222
c14518	13.8	1	17	6	AR010206	0.811765
14519	13.8	1	17	6	AR047236	0.811765
c14520	13.8	1	17	6	AR098727	0.811765
14521	13.8	1	17	6	AR286312	0.811765
14522	13.8	1	17	6	AX010682	0.811765
14523	13.8	1	17	6	AX074458	0.811765
14524	13.8	1	17	6	AX092631	0.811765
c14525	13.8	1	17	6	AX217714	0.811765
c14526	13.8	1	17	6	AX264483	0.811765
14527	13.8	1	17	6	AX264484	0.811765
c14528	13.8	1	17	6	AX272822	0.811765
14529	13.8	1	17	6	AX422669	0.811765
c14530	13.8	1	17	6	AX423330	0.811765
c14531	13.8	1	17	6	AX423645	0.811765
c14532	13.8	1	17	6	AX475190	0.811765
c14533	13.8	1	17	6	AX531751	0.811765
c14534	13.8	1	17	6	AX531752	0.811765
c14535	13.8	1	17	6	AX531753	0.811765
c14536	13.8	1	17	6	AX531754	0.811765
c14537	13.8	1	17	6	AX531755	0.811765
c14538	13.8	1	17	6	AX531757	0.811765
14539	13.8	1	17	6	AX579223	0.811765
c14540	13.8	1	17	6	AX579976	0.811765
14541	13.8	1	17	6	AX671569	0.811765
14542	13.8	1	17	6	AX671632	0.811765
c14543	13.8	1	17	6	AX687555	0.811765
c14544	13.8	1	17	6	AX690655	0.811765
c14545	13.8	1	17	6	AX692662	0.811765
14546	13.8	1	17	6	AX729329	0.811765
14547	13.8	1	17	6	AX729717	0.811765
c14548	13.8	1	17	6	BD000130	0.811765

c14549	13.8	1	17		6	BD067177	0.811765
c14550	13.8	1	17		6	BD067805	0.811765
c14551	13.8	1	17		6	E35686	0.811765
c14552	13.8	1	17		6	I43322	0.811765
14553	13.8	1	17		6	I54288	0.811765
c14554	13.8	1	17		6	I95825	0.811765
686	16.8	1.2	21		6	AX404467	0.8
c 687	16.8	1.2	21		6	AX404468	0.8
688	16.8	1.2	21		6	I26171	0.8
689	16.8	1.2	21		6	I86414	0.8
c8078	14.4	1.1	18		6	AR171472	0.8
c8079	14.4	1.1	18		6	AR171643	0.8
c8080	14.4	1.1	18		6	AX427085	0.8
8081	14.4	1.1	18		6	BD104495	0.8
38042	12.8	0.9	16		6	A57738	0.8
c38043	12.8	0.9	16		6	AX359760	0.8
38044	12.8	0.9	16		6	AX663407	0.8
38045	12.8	0.9	16		6	BD145086	0.8
38046	12.8	0.9	16		6	BD166093	0.8
c1999	15.8	1.2	20		6	AR195424	0.79
c2000	15.8	1.2	20		6	AR208816	0.79
2001	15.8	1.2	20		6	AR306782	0.79
2002	15.8	1.2	20		6	AX000290	0.79
2003	15.8	1.2	20		6	AX003992	0.79
2004	15.8	1.2	20		6	AX006768	0.79
2005	15.8	1.2	20		6	AX147015	0.79
c2006	15.8	1.2	20		6	AX350454	0.79
2007	15.8	1.2	20		6	AX428913	0.79
2008	15.8	1.2	20		6	AX428986	0.79
2009	15.8	1.2	20		6	E32198	0.79
21656	13.4	1	17		6	AR252725	0.788235
21657	13.4	1	17		6	AX201501	0.788235
21658	13.4	1	17		6	AX262644	0.788235
c21659	13.4	1	17		6	AX262645	0.788235
21660	13.4	1	17		6	AX262648	0.788235
c21661	13.4	1	17		6	AX262649	0.788235
21662	13.4	1	17		6	AX262652	0.788235
c21663	13.4	1	17		6	AX262653	0.788235
c21664	13.4	1	17		6	AX266427	0.788235
21665	13.4	1	17		6	AX266428	0.788235
21666	13.4	1	17		6	AX403606	0.788235
21667	13.4	1	17		6	AX422720	0.788235
21668	13.4	1	17		6	AX422721	0.788235
c21669	13.4	1	17		6	AX423646	0.788235
21670	13.4	1	17		6	AX499076	0.788235
21671	13.4	1	17		6	AX499077	0.788235
21672	13.4	1	17		6	AX499078	0.788235
c21673	13.4	1	17		6	AX530985	0.788235
c21674	13.4	1	17		6	AX530986	0.788235
c21675	13.4	1	17		6	AX530987	0.788235
c21676	13.4	1	17		6	AX531756	0.788235
21677	13.4	1	17		6	AX579224	0.788235
c21678	13.4	1	17		6	AX648753	0.788235
c21679	13.4	1	17		6	AX648754	0.788235
c21680	13.4	1	17		6	AX648755	0.788235
c21681	13.4	1	17		6	AX693203	0.788235
c21682	13.4	1	17		6	AX693204	0.788235
c21683	13.4	1	17		6	AX693205	0.788235
c21684	13.4	1	17		6	AX727414	0.788235
21685	13.4	1	17		6	AX733233	0.788235

c21686	13.4	1	17	6	AX733988	0.788235
c21687	13.4	1	17	6	AX735372	0.788235
c21688	13.4	1	17	6	AX736910	0.788235
5471	14.8	1.1	19	6	AR016651	0.778947
5472	14.8	1.1	19	6	AR110274	0.778947
c5473	14.8	1.1	19	6	AX082062	0.778947
5474	14.8	1.1	19	6	AX082064	0.778947
5475	14.8	1.1	19	6	AX131129	0.778947
c54799	12.4	0.9	16	6	A88280	0.775
c54800	12.4	0.9	16	6	A90247	0.775
54801	12.4	0.9	16	6	AR002257	0.775
54802	12.4	0.9	16	6	AR045207	0.775
54803	12.4	0.9	16	6	AR051238	0.775
c54804	12.4	0.9	16	6	AR069284	0.775
54805	12.4	0.9	16	6	AX067884	0.775
c54806	12.4	0.9	16	6	AX282047	0.775
c54807	12.4	0.9	16	6	BD065793	0.775
54808	12.4	0.9	16	6	I16032	0.775
c54809	12.4	0.9	16	6	I18842	0.775
c54810	12.4	0.9	16	6	I22296	0.775
54811	12.4	0.9	16	6	I28367	0.775
c54812	12.4	0.9	16	6	I47692	0.775
c1334	16.2	1.2	21	6	AR224969	0.771429
c1335	16.2	1.2	21	6	AX039751	0.771429
c2990	15.4	1.1	20	6	AR299716	0.77
2991	15.4	1.1	20	6	E09814	0.77
14555	13.8	1	18	6	A40561	0.766667
14556	13.8	1	18	6	A89086	0.766667
c14557	13.8	1	18	6	AR070882	0.766667
c14558	13.8	1	18	6	AR134123	0.766667
14559	13.8	1	18	6	AR196118	0.766667
14560	13.8	1	18	6	AR232841	0.766667
14561	13.8	1	18	6	AR233564	0.766667
14562	13.8	1	18	6	AR292992	0.766667
14563	13.8	1	18	6	AX030136	0.766667
14564	13.8	1	18	6	AX092632	0.766667
c14565	13.8	1	18	6	AX100693	0.766667
c14566	13.8	1	18	6	AX250346	0.766667
c14567	13.8	1	18	6	AX259209	0.766667
14568	13.8	1	18	6	AX316457	0.766667
c14569	13.8	1	18	6	AX556571	0.766667
c14570	13.8	1	18	6	AX718774	0.766667
14571	13.8	1	18	6	BD066599	0.766667
31894	13	1	17	6	AR014264	0.764706
31895	13	1	17	6	AR302290	0.764706
31896	13	1	17	6	AX361147	0.764706
31897	13	1	17	6	AX499074	0.764706
31898	13	1	17	6	AX499075	0.764706
31899	13	1	17	6	AX687584	0.764706
31900	13	1	17	6	AX687590	0.764706
31901	13	1	17	6	AX688104	0.764706
31902	13	1	17	6	AX688109	0.764706
31903	13	1	17	6	AX690592	0.764706
31904	13	1	17	6	AX690598	0.764706
31905	13	1	17	6	AX726504	0.764706
c31906	13	1	17	6	AX737849	0.764706
c31907	13	1	17	6	BD067164	0.764706
31908	13	1	17	6	BD144764	0.764706
31909	13	1	17	6	I26888	0.764706
31910	13	1	17	6	I73171	0.764706

31911	13	1	17		6	I91629	0.764706
c3653	15.2	1.1	20		6	AR038674	0.76
c3654	15.2	1.1	20		6	AR072286	0.76
3655	15.2	1.1	20		6	AR225067	0.76
3656	15.2	1.1	20		6	AR225077	0.76
3657	15.2	1.1	20		6	AR265987	0.76
c3658	15.2	1.1	20		6	AR311045	0.76
c3659	15.2	1.1	20		6	AR313415	0.76
3660	15.2	1.1	20		6	AX611049	0.76
c3661	15.2	1.1	20		6	I26397	0.76
c8082	14.4	1.1	19		6	AX082063	0.757895
8083	14.4	1.1	19		6	AX082065	0.757895
c8084	14.4	1.1	19		6	AX427086	0.757895
c8085	14.4	1.1	19		6	AX706670	0.757895
8086	14.4	1.1	19		6	AX706671	0.757895
c8087	14.4	1.1	19		6	AX707600	0.757895
8088	14.4	1.1	19		6	AX707601	0.757895
38047	12.8	0.9	17		6	AR039807	0.752941
38048	12.8	0.9	17		6	AR039873	0.752941
38049	12.8	0.9	17		6	AR045627	0.752941
38050	12.8	0.9	17		6	AR047238	0.752941
c38051	12.8	0.9	17		6	AR057523	0.752941
c38052	12.8	0.9	17		6	AR057733	0.752941
38053	12.8	0.9	17		6	AR091870	0.752941
c38054	12.8	0.9	17		6	AR115281	0.752941
c38055	12.8	0.9	17		6	AR115491	0.752941
38056	12.8	0.9	17		6	AR157778	0.752941
c38057	12.8	0.9	17		6	AR188886	0.752941
38058	12.8	0.9	17		6	AR192436	0.752941
38059	12.8	0.9	17		6	AR195610	0.752941
38060	12.8	0.9	17		6	AR196421	0.752941
38061	12.8	0.9	17		6	AR286016	0.752941
c38062	12.8	0.9	17		6	AX217713	0.752941
c38063	12.8	0.9	17		6	AX218185	0.752941
c38064	12.8	0.9	17		6	AX266451	0.752941
38065	12.8	0.9	17		6	AX266452	0.752941
38066	12.8	0.9	17		6	AX266703	0.752941
c38067	12.8	0.9	17		6	AX266704	0.752941
38068	12.8	0.9	17		6	AX272956	0.752941
c38069	12.8	0.9	17		6	AX273048	0.752941
38070	12.8	0.9	17		6	AX273142	0.752941
c38071	12.8	0.9	17		6	AX324733	0.752941
38072	12.8	0.9	17		6	AX324734	0.752941
c38073	12.8	0.9	17		6	AX324749	0.752941
38074	12.8	0.9	17		6	AX324750	0.752941
38075	12.8	0.9	17		6	AX422141	0.752941
38076	12.8	0.9	17		6	AX422668	0.752941
38077	12.8	0.9	17		6	AX422670	0.752941
c38078	12.8	0.9	17		6	AX423116	0.752941
38079	12.8	0.9	17		6	AX423597	0.752941
c38080	12.8	0.9	17		6	AX423644	0.752941
c38081	12.8	0.9	17		6	AX475189	0.752941
c38082	12.8	0.9	17		6	AX475191	0.752941
c38083	12.8	0.9	17		6	AX500509	0.752941
c38084	12.8	0.9	17		6	AX500510	0.752941
38085	12.8	0.9	17		6	AX502777	0.752941
38086	12.8	0.9	17		6	AX502778	0.752941
38087	12.8	0.9	17		6	AX530711	0.752941
38088	12.8	0.9	17		6	AX530712	0.752941
38089	12.8	0.9	17		6	AX531738	0.752941

38090	12.8	0.9	17	6	AX531739	0.752941
c38091	12.8	0.9	17	6	AX531750	0.752941
c38092	12.8	0.9	17	6	AX531758	0.752941
c38093	12.8	0.9	17	6	AX532257	0.752941
c38094	12.8	0.9	17	6	AX532258	0.752941
38095	12.8	0.9	17	6	AX578402	0.752941
c38096	12.8	0.9	17	6	AX578578	0.752941
c38097	12.8	0.9	17	6	AX579153	0.752941
c38098	12.8	0.9	17	6	AX579154	0.752941
38099	12.8	0.9	17	6	AX579663	0.752941
c38100	12.8	0.9	17	6	AX579937	0.752941
c38101	12.8	0.9	17	6	AX615895	0.752941
c38102	12.8	0.9	17	6	AX615896	0.752941
c38103	12.8	0.9	17	6	AX634594	0.752941
c38104	12.8	0.9	17	6	AX634818	0.752941
38105	12.8	0.9	17	6	AX671731	0.752941
38106	12.8	0.9	17	6	AX671969	0.752941
38107	12.8	0.9	17	6	AX672540	0.752941
c38108	12.8	0.9	17	6	AX672632	0.752941
38109	12.8	0.9	17	6	AX673167	0.752941
c38110	12.8	0.9	17	6	AX673340	0.752941
38111	12.8	0.9	17	6	AX674420	0.752941
38112	12.8	0.9	17	6	AX687431	0.752941
38113	12.8	0.9	17	6	AX687432	0.752941
c38114	12.8	0.9	17	6	AX687554	0.752941
c38115	12.8	0.9	17	6	AX687556	0.752941
c38116	12.8	0.9	17	6	AX687640	0.752941
c38117	12.8	0.9	17	6	AX687641	0.752941
c38118	12.8	0.9	17	6	AX687648	0.752941
c38119	12.8	0.9	17	6	AX687649	0.752941
c38120	12.8	0.9	17	6	AX690654	0.752941
c38121	12.8	0.9	17	6	AX690656	0.752941
38122	12.8	0.9	17	6	AX690685	0.752941
38123	12.8	0.9	17	6	AX690686	0.752941
38124	12.8	0.9	17	6	AX692527	0.752941
38125	12.8	0.9	17	6	AX692528	0.752941
c38126	12.8	0.9	17	6	AX692661	0.752941
c38127	12.8	0.9	17	6	AX692663	0.752941
38128	12.8	0.9	17	6	AX722347	0.752941
38129	12.8	0.9	17	6	AX722414	0.752941
c38130	12.8	0.9	17	6	AX722491	0.752941
38131	12.8	0.9	17	6	AX722931	0.752941
c38132	12.8	0.9	17	6	AX725749	0.752941
c38133	12.8	0.9	17	6	AX727907	0.752941
38134	12.8	0.9	17	6	AX729823	0.752941
c38135	12.8	0.9	17	6	AX729852	0.752941
38136	12.8	0.9	17	6	AX730009	0.752941
38137	12.8	0.9	17	6	AX731190	0.752941
38138	12.8	0.9	17	6	AX731637	0.752941
c38139	12.8	0.9	17	6	AX731808	0.752941
c38140	12.8	0.9	17	6	AX732100	0.752941
c38141	12.8	0.9	17	6	AX733260	0.752941
38142	12.8	0.9	17	6	AX733554	0.752941
38143	12.8	0.9	17	6	AX733723	0.752941
38144	12.8	0.9	17	6	BD067612	0.752941
38145	12.8	0.9	17	6	BD104458	0.752941
38146	12.8	0.9	17	6	BD104949	0.752941
38147	12.8	0.9	17	6	BD105040	0.752941
38148	12.8	0.9	17	6	BD105056	0.752941
38149	12.8	0.9	17	6	BD105105	0.752941

38150	12.8	0.9	17		6	I52679	0.752941
38151	12.8	0.9	17		6	I54290	0.752941
c2010	15.8	1.2	21		6	AR298795	0.752381
c2011	15.8	1.2	21		6	AX033004	0.752381
2012	15.8	1.2	21		6	AX404465	0.752381
c2013	15.8	1.2	21		6	AX404466	0.752381
2014	15.8	1.2	21		6	BD057122	0.752381
9866	14.2	1	19		6	AR147800	0.747368
c9867	14.2	1	19		6	BD178777	0.747368
c21689	13.4	1	18		6	A26386	0.744444
c21690	13.4	1	18		6	AR087097	0.744444
c21691	13.4	1	18		6	AR096634	0.744444
c21692	13.4	1	18		6	AR106763	0.744444
21693	13.4	1	18		6	AR134170	0.744444
21694	13.4	1	18		6	AR160830	0.744444
21695	13.4	1	18		6	AX080166	0.744444
c21696	13.4	1	18		6	AX080169	0.744444
c21697	13.4	1	18		6	AX100688	0.744444
21698	13.4	1	18		6	AX164295	0.744444
c21699	13.4	1	18		6	AX427087	0.744444
c21700	13.4	1	18		6	AX599642	0.744444
c21701	13.4	1	18		6	AX710932	0.744444
c21702	13.4	1	18		6	BD001073	0.744444
c21703	13.4	1	18		6	BD001502	0.744444
21704	13.4	1	18		6	E32451	0.744444
c21705	13.4	1	18		9	S83625	0.744444
c5476	14.8	1.1	20		6	AR024053	0.74
c5477	14.8	1.1	20		6	AR117552	0.74
5478	14.8	1.1	20		6	AR220146	0.74
c5479	14.8	1.1	20		6	AR224273	0.74
c5480	14.8	1.1	20		6	AR228837	0.74
c5481	14.8	1.1	20		6	AX026947	0.74
c5482	14.8	1.1	20		6	AX092696	0.74
c5483	14.8	1.1	20		6	AX250355	0.74
c5484	14.8	1.1	20		6	AX286800	0.74
c5485	14.8	1.1	20		6	AX293643	0.74
c5486	14.8	1.1	20		6	AX554330	0.74
c5487	14.8	1.1	20		6	AX711019	0.74
c5488	14.8	1.1	20		6	BD001157	0.74
c5489	14.8	1.1	20		6	BD001586	0.74
c5490	14.8	1.1	20		6	E37618	0.74
11969	14	1	19		6	AR123497	0.736842
11970	14	1	19		6	AX129200	0.736842
11971	14	1	19		6	AX129201	0.736842
1336	16.2	1.2	22		6	AX404674	0.736364
c 279	17.6	1.3	24		6	AR078136	0.733333
26362	13.2	1	18		6	AR112529	0.733333
26363	13.2	1	18		6	AR121114	0.733333
26364	13.2	1	18		6	AR187495	0.733333
26365	13.2	1	18		6	AR188966	0.733333
26366	13.2	1	18		6	AR192905	0.733333
26367	13.2	1	18		6	AR202005	0.733333
26368	13.2	1	18		6	AR211095	0.733333
26369	13.2	1	18		6	AR231296	0.733333
c26370	13.2	1	18		6	AR294304	0.733333
26371	13.2	1	18		6	AX009054	0.733333
26372	13.2	1	18		6	AX114414	0.733333
26373	13.2	1	18		6	AX147861	0.733333
26374	13.2	1	18		6	AX226473	0.733333
c26375	13.2	1	18		6	AX282820	0.733333

c26376	13.2	1	18	6	AX357992	0.733333
26377	13.2	1	18	6	AX521910	0.733333
26378	13.2	1	18	6	AX554246	0.733333
c26379	13.2	1	18	6	AX590584	0.733333
c26380	13.2	1	18	6	AX599245	0.733333
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c26382	13.2	1	18	6	AX599819	0.733333
c26383	13.2	1	18	6	AX599820	0.733333
26384	13.2	1	18	6	AX599821	0.733333
26385	13.2	1	18	6	AX599822	0.733333
c26386	13.2	1	18	6	AX601190	0.733333
c26387	13.2	1	18	6	AX708070	0.733333
c26388	13.2	1	18	6	AX718771	0.733333
c26389	13.2	1	18	6	BD064468	0.733333
26390	13.2	1	18	6	BD082178	0.733333
26391	13.2	1	18	6	BD088488	0.733333
26392	13.2	1	18	6	I40172	0.733333
c26393	13.2	1	18	6	I40173	0.733333
26394	13.2	1	18	9	HSRETPO	0.733333
54813	12.4	0.9	17	6	A89326	0.729412
c54814	12.4	0.9	17	6	AR045545	0.729412
54815	12.4	0.9	17	6	AR047254	0.729412
54816	12.4	0.9	17	6	AR047256	0.729412
54817	12.4	0.9	17	6	AR064971	0.729412
54818	12.4	0.9	17	6	AR168853	0.729412
54819	12.4	0.9	17	6	AR186768	0.729412
54820	12.4	0.9	17	6	AR187059	0.729412
54821	12.4	0.9	17	6	AR187060	0.729412
54822	12.4	0.9	17	6	AR187061	0.729412
54823	12.4	0.9	17	6	AR187062	0.729412
c54824	12.4	0.9	17	6	AR190520	0.729412
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c54826	12.4	0.9	17	6	AR195674	0.729412
54827	12.4	0.9	17	6	AR200322	0.729412
54828	12.4	0.9	17	6	AR256849	0.729412
54829	12.4	0.9	17	6	AR262453	0.729412
54830	12.4	0.9	17	6	AR266626	0.729412
54831	12.4	0.9	17	6	AR286037	0.729412
54832	12.4	0.9	17	6	AR286049	0.729412
54833	12.4	0.9	17	6	AR286185	0.729412
c54834	12.4	0.9	17	6	AR286443	0.729412
c54835	12.4	0.9	17	6	AX217812	0.729412
c54836	12.4	0.9	17	6	AX217813	0.729412
c54837	12.4	0.9	17	6	AX217865	0.729412
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54840	12.4	0.9	17	6	AX262901	0.729412
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54842	12.4	0.9	17	6	AX422575	0.729412
54843	12.4	0.9	17	6	AX422576	0.729412
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54846	12.4	0.9	17	6	AX423383	0.729412
54847	12.4	0.9	17	6	AX499079	0.729412
c54848	12.4	0.9	17	6	AX530984	0.729412
c54849	12.4	0.9	17	6	AX530988	0.729412
c54850	12.4	0.9	17	6	AX532255	0.729412
c54851	12.4	0.9	17	6	AX532256	0.729412
54852	12.4	0.9	17	6	AX546102	0.729412
54853	12.4	0.9	17	6	AX546103	0.729412

54854	12.4	0.9	17	6	AX546104	0.729412
54855	12.4	0.9	17	6	AX546105	0.729412
54856	12.4	0.9	17	6	AX580294	0.729412
c54857	12.4	0.9	17	6	AX615236	0.729412
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54870	12.4	0.9	17	6	AX673606	0.729412
54871	12.4	0.9	17	6	AX673696	0.729412
54872	12.4	0.9	17	6	AX674202	0.729412
54873	12.4	0.9	17	6	AX674701	0.729412
54874	12.4	0.9	17	6	AX674715	0.729412
c54875	12.4	0.9	17	6	AX687638	0.729412
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54877	12.4	0.9	17	6	AX690687	0.729412
54878	12.4	0.9	17	6	AX690688	0.729412
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54881	12.4	0.9	17	6	AX692524	0.729412
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54887	12.4	0.9	17	6	AX722562	0.729412
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54908	12.4	0.9	17	6	AX735539	0.729412
54909	12.4	0.9	17	6	AX735762	0.729412
c54910	12.4	0.9	17	6	AX736077	0.729412
54911	12.4	0.9	17	6	AX737750	0.729412
c54912	12.4	0.9	17	6	AX738070	0.729412
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c54915	12.4	0.9	17		6	AX739654	0.729412
54916	12.4	0.9	17		6	AX739841	0.729412
54917	12.4	0.9	17		6	BD011732	0.729412
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54922	12.4	0.9	17		6	BD091752	0.729412
54923	12.4	0.9	17		6	BD091775	0.729412
54924	12.4	0.9	17		6	BD097336	0.729412
54925	12.4	0.9	17		6	BD142810	0.729412
54926	12.4	0.9	17		6	BD143836	0.729412
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54930	12.4	0.9	17		6	BD171179	0.729412
54931	12.4	0.9	17		6	E34260	0.729412
54932	12.4	0.9	17		6	E59657	0.729412
c54933	12.4	0.9	17		6	I52597	0.729412
54934	12.4	0.9	17		6	I54306	0.729412
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c54936	12.4	0.9	17		6	I57029	0.729412
c 152	18.2	1.3	25		6	AX533819	0.728
c 153	18.2	1.3	25		6	AX533820	0.728
c 154	18.2	1.3	25		6	AX533821	0.728
c14572	13.8	1	19		4	BOVDIK13	0.726316
c14573	13.8	1	19		6	AR019564	0.726316
c14574	13.8	1	19		6	AR029157	0.726316
c14575	13.8	1	19		6	AR036541	0.726316
c14576	13.8	1	19		6	AR096074	0.726316
c14577	13.8	1	19		6	AR109525	0.726316
c14578	13.8	1	19		6	AR111930	0.726316
c14579	13.8	1	19		6	AR124827	0.726316
c14580	13.8	1	19		6	AR135275	0.726316
c14581	13.8	1	19		6	AR141345	0.726316
c14582	13.8	1	19		6	AR148186	0.726316
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c14585	13.8	1	19		6	AR217038	0.726316
c14586	13.8	1	19		6	AR231437	0.726316
c14587	13.8	1	19		6	AR240864	0.726316
c14588	13.8	1	19		6	AR240876	0.726316
c14589	13.8	1	19		6	AX004623	0.726316
14590	13.8	1	19		6	AX131128	0.726316
c14591	13.8	1	19		6	AX201281	0.726316
14592	13.8	1	19		6	AX643312	0.726316
c14593	13.8	1	19		6	AX643315	0.726316
c14594	13.8	1	19		6	I55696	0.726316
c14595	13.8	1	19		6	I76473	0.726316
c3662	15.2	1.1	21		6	AR011122	0.72381
c3663	15.2	1.1	21		6	AR038293	0.72381
c3664	15.2	1.1	21		6	AR301192	0.72381
3665	15.2	1.1	21		6	AX088756	0.72381
3666	15.2	1.1	21		6	AX404463	0.72381
c3667	15.2	1.1	21		6	AX404464	0.72381
c3668	15.2	1.1	21		6	I58582	0.72381
31912	13	1	18		4	DOGP434	0.722222
c31913	13	1	18		6	A17235	0.722222
31914	13	1	18		6	A17407	0.722222

c31915	13	1	18	6	AR002274	0.722222
c31916	13	1	18	6	AR027618	0.722222
c31917	13	1	18	6	AR053125	0.722222
31918	13	1	18	6	AR085593	0.722222
c31919	13	1	18	6	AR297049	0.722222
c31920	13	1	18	6	AX378610	0.722222
31921	13	1	18	6	BD096968	0.722222
8089	14.4	1.1	20	6	A17234	0.72
8090	14.4	1.1	20	6	AR027617	0.72
8091	14.4	1.1	20	6	AR130886	0.72
c8092	14.4	1.1	20	6	AR142677	0.72
8093	14.4	1.1	20	6	AR230980	0.72
c8094	14.4	1.1	20	6	AX027830	0.72
c8095	14.4	1.1	20	6	BD138122	0.72
c8096	14.4	1.1	20	6	E28096	0.72
8097	14.4	1.1	20	6	E58956	0.72
c8098	14.4	1.1	20	6	I78497	0.72
8099	14.4	1.1	20	6	I79512	0.72
2015	15.8	1.2	22	6	AX698525	0.718182
2016	15.8	1.2	22	6	AX698554	0.718182
4522	15	1.1	21	6	AX095780	0.714286
c 231	17.8	1.3	25	6	AX533817	0.712
c 232	17.8	1.3	25	6	AX533818	0.712
38152	12.8	0.9	18	6	A07991	0.711111
38153	12.8	0.9	18	6	A42230	0.711111
c38154	12.8	0.9	18	6	A44527	0.711111
38155	12.8	0.9	18	6	A63090	0.711111
38156	12.8	0.9	18	6	AR039073	0.711111
38157	12.8	0.9	18	6	AR039074	0.711111
38158	12.8	0.9	18	6	AR040123	0.711111
c38159	12.8	0.9	18	6	AR052013	0.711111
38160	12.8	0.9	18	6	AR071253	0.711111
38161	12.8	0.9	18	6	AR071254	0.711111
38162	12.8	0.9	18	6	AR076320	0.711111
38163	12.8	0.9	18	6	AR124253	0.711111
38164	12.8	0.9	18	6	AR130093	0.711111
38165	12.8	0.9	18	6	AR187556	0.711111
38166	12.8	0.9	18	6	AR192890	0.711111
c38167	12.8	0.9	18	6	AR196144	0.711111
38168	12.8	0.9	18	6	AR196164	0.711111
38169	12.8	0.9	18	6	AR266202	0.711111
38170	12.8	0.9	18	6	AR268667	0.711111
38171	12.8	0.9	18	6	AR295769	0.711111
38172	12.8	0.9	18	6	AR299440	0.711111
38173	12.8	0.9	18	6	AX014691	0.711111
38174	12.8	0.9	18	6	AX023724	0.711111
c38175	12.8	0.9	18	6	AX023725	0.711111
c38176	12.8	0.9	18	6	AX084272	0.711111
38177	12.8	0.9	18	6	AX084275	0.711111
c38178	12.8	0.9	18	6	AX132990	0.711111
c38179	12.8	0.9	18	6	AX132991	0.711111
38180	12.8	0.9	18	6	AX133349	0.711111
38181	12.8	0.9	18	6	AX287718	0.711111
c38182	12.8	0.9	18	6	AX300817	0.711111
c38183	12.8	0.9	18	6	AX326982	0.711111
38184	12.8	0.9	18	6	AX395464	0.711111
38185	12.8	0.9	18	6	AX468611	0.711111
38186	12.8	0.9	18	6	AX657870	0.711111
38187	12.8	0.9	18	6	BD016293	0.711111
38188	12.8	0.9	18	6	BD087944	0.711111

38189	12.8	0.9	18	6	BD089627	0.711111
38190	12.8	0.9	18	6	BD104004	0.711111
c38191	12.8	0.9	18	6	BD104016	0.711111
38192	12.8	0.9	18	6	BD104054	0.711111
c38193	12.8	0.9	18	6	BD104475	0.711111
38194	12.8	0.9	18	6	BD104493	0.711111
38195	12.8	0.9	18	6	BD104494	0.711111
c38196	12.8	0.9	18	6	BD107307	0.711111
c38197	12.8	0.9	18	6	BD136724	0.711111
38198	12.8	0.9	18	6	E14123	0.711111
38199	12.8	0.9	18	6	E14124	0.711111
38200	12.8	0.9	18	6	E32457	0.711111
38201	12.8	0.9	18	6	I27416	0.711111
c38202	12.8	0.9	18	6	I27449	0.711111
c9868	14.2	1	20	6	A62818	0.71
9869	14.2	1	20	6	AR067069	0.71
c9870	14.2	1	20	6	AR073812	0.71
c9871	14.2	1	20	6	AR082613	0.71
9872	14.2	1	20	6	AR086110	0.71
9873	14.2	1	20	6	AR116542	0.71
c9874	14.2	1	20	6	AR120995	0.71
c9875	14.2	1	20	6	AR121047	0.71
c9876	14.2	1	20	6	AR129648	0.71
c9877	14.2	1	20	6	AR229037	0.71
c9878	14.2	1	20	6	AR232357	0.71
c9879	14.2	1	20	6	AR261676	0.71
c9880	14.2	1	20	6	AR294481	0.71
c9881	14.2	1	20	6	AR299883	0.71
c9882	14.2	1	20	6	AR300301	0.71
9883	14.2	1	20	6	AX056718	0.71
c9884	14.2	1	20	6	AX089272	0.71
9885	14.2	1	20	6	AX167947	0.71
c9886	14.2	1	20	6	AX167955	0.71
9887	14.2	1	20	6	AX296192	0.71
9888	14.2	1	20	6	AX298904	0.71
9889	14.2	1	20	6	AX377027	0.71
c9890	14.2	1	20	6	AX511559	0.71
c9891	14.2	1	20	6	AX742820	0.71
9892	14.2	1	20	6	BD074699	0.71
9893	14.2	1	20	6	BD090593	0.71
9894	14.2	1	20	6	BD090702	0.71
c9895	14.2	1	20	6	BD097485	0.71
9896	14.2	1	20	6	BD174235	0.71
9897	14.2	1	20	6	E13188	0.71
9898	14.2	1	20	6	E37452	0.71
9899	14.2	1	20	6	E37460	0.71
9900	14.2	1	20	6	E40056	0.71
9901	14.2	1	20	6	E40864	0.71
9902	14.2	1	20	6	E43410	0.71
9903	14.2	1	20	6	I18763	0.71
21706	13.4	1	19	6	AR021368	0.705263
21707	13.4	1	19	6	AR042930	0.705263
21708	13.4	1	19	6	AR161238	0.705263
21709	13.4	1	19	6	AR230749	0.705263
c21710	13.4	1	19	6	AX352891	0.705263
c21711	13.4	1	19	6	AX362736	0.705263
21712	13.4	1	19	6	AX643313	0.705263
c21713	13.4	1	19	6	AX643316	0.705263
c21714	13.4	1	19	6	AX699142	0.705263
c21715	13.4	1	19	6	AX700717	0.705263

21716	13.4	1	19	6	BD096500	0.705263
21717	13.4	1	19	6	I43919	0.705263
21718	13.4	1	19	6	I62921	0.705263
21719	13.4	1	19	6	I88674	0.705263
21720	13.4	1	19	10	MMTC4F3	0.705263
c5491	14.8	1.1	21	6	AX167170	0.704762
5492	14.8	1.1	21	6	AX259235	0.704762
c5493	14.8	1.1	21	6	AX259236	0.704762
5494	14.8	1.1	21	6	AX356851	0.704762
c1337	16.2	1.2	23	6	AR261288	0.704348
280	17.6	1.3	25	6	AX042639	0.704
281	17.6	1.3	25	6	AX043100	0.704
c2992	15.4	1.1	22	6	AX742758	0.7
11972	14	1	20	6	AR059007	0.7
c11973	14	1	20	6	AR295559	0.7
11974	14	1	20	6	AR304363	0.7
c11975	14	1	20	6	AX193676	0.7
c11976	14	1	20	6	AX293574	0.7
11977	14	1	20	6	AX295621	0.7
c11978	14	1	20	6	AX472793	0.7
11979	14	1	20	6	BD015231	0.7
11980	14	1	20	6	E08868	0.7